#### **ATTACHMENT-8**

# Barnhardt Manufacturing Co

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	382373
WO Title	chemical system pm
Reference ID	
Category	Mechanical
Priority	Medium
Status	Completed
Short Description	inspect all pumps and piping for leaks from bulk tanks to kier head tanks
Notes	replaced sulfuric spouts on # 2 kier and #8 kier
Comments	
Start Date	3/19/2017
Due Date	3/27/2017
Completed	3/20/2017
Created By	System Generated PM Work Order
Assigned Staff	Mark Thibodeau



# Barnhardt Manufacturing Co

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	454052
WO Title	chemical system pm
Reference ID	
Category	Mechanical
Priority	Medium
Status	Completed
Short Description	inspect all pumps and piping for leaks from bulk tanks to kier head tanks
Notes	replaced sulfuric valve on #4 kier tighten valve stem nuts on kiers # 1-#9- #5-#6-#7
Notes	·
	·
Comments	#5-#6-#7 6/18/2017
Comments Start Date	#5-#6-#7 6/18/2017
Comments Start Date Due Date	#5-#6-#7  6/18/2017  6/26/2017  6/25/2017

QR Code



454052

# Barnhardt Manufacturing Co

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	530525
WO Title	chemical system pm
Reference ID	
Category	Mechanical
Priority	Medium
Status	Completed
Short Description	inspect all pumps and piping for leaks from bulk tanks to kier head tanks
Notes	replaced sulfuric pump
Notes	replaced sulfuric pump
Notes Comments	replaced sulfuric pump
	replaced sulfuric pump 9/17/2017
Comments	
Comments Start Date	9/17/2017
Comments Start Date Due Date	9/17/2017 9/25/2017 10/10/2017



# Barnhardt Manufacturing Co

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	581056
WO Title	chemical system pm
Reference ID	
Category	Mechanical
Priority	Medium
Status	Completed
Short Description	inspect all pumps and piping for leaks from bulk tanks to kier head tanks
Notes	replaced sulfuric spouts on kiers 8 and 3
Notes Comments	replaced sulfuric spouts on kiers 8 and 3
	replaced sulfuric spouts on kiers 8 and 3 11/19/2017
Comments	
Comments Start Date	11/19/2017
Comments Start Date Due Date	11/19/2017 11/27/2017



### Barnhardt Manufacturing Co

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	635286
WO Title	chemical system pm
Reference ID	
Category	Mechanical
Priority	Medium
Status	Completed
Short Description	inspect all pumps and piping for leaks from bulk tanks to kier head tanks
Notes	replaced sulfuric valve and actuator and spout on #6 kier replaced spout on #5 kier sulfuric
Notes	
Comments	on #5 kier sulfuric 1/21/2018
Comments Start Date	on #5 kier sulfuric 1/21/2018
Comments Start Date Due Date	on #5 kier sulfuric  1/21/2018  1/29/2018  1/30/2018



# **Barnhardt Manufacturing Co**

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	661124
WO Title	chemical system pm
Reference ID	
Category	Mechanical
Priority	Medium
Status	Completed
Short Description	inspect all pumps and piping for leaks from bulk tanks to kier head tanks
Notes	replaced valve on #5 metabysulfide line,replaced a section of pipe on sulfuric line #7 kier
Comments	
Start Date	2/18/2018
Due Date	2/26/2018
Completed	2/20/2018
Created By	System Generated PM Work Order
Assigned Staff	Mark Thibodeau



# Barnhardt Manufacturing Co

	1100 Hawthorne Lane	Charlotte	North Carolina United States 28205
Work Order #			
WO Title	chemical system pm		
Reference ID			
Category	Mechanical		
Priority	Medium		
Status	Completed		
Short Description	inspect all pumps and pipin	ng for leak	s from bulk tanks to kier head tanks
Notes	repiped the peroxide dosing	g system,	replaced sulfuric valve #5 kier
Comments			
Start Date	244040040		
Start Date	3/18/2018		
Due Date			
	3/26/2018 3/20/2018		
Due Date	3/26/2018 3/20/2018	ork Order	



# Barnhardt Manufacturing Co

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	691364
WO Title	Chemical area
Reference ID	
Category	Audit
Priority	Low
Status	Completed
Short Description	Clean up all conduits and reconfigure air lines.
Notes	Air lines to Sulfuric/Acetic pumps change to SS with poly whips.
Notes  Comments	Air lines to Sulfuric/Acetic pumps change to SS with poly whips.
	Air lines to Sulfuric/Acetic pumps change to SS with poly whips.  3/23/2018
Comments	3/23/2018
Comments Start Date	3/23/2018 3/23/2019
Comments Start Date Due Date	3/23/2018 3/23/2019 3/30/2018



# Barnhardt Manufacturing Co

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	713186
WO Title	chemical system pm
Reference ID	
Category	Mechanical
Priority	Low
Status	Completed
Short Description	inspect all pumps and piping for leaks from bulk tanks to kier head tanks
	<u> </u>
Notes	changed out sulfuric valve on # 7 kier
Notes Comments	changed out sulfuric valve on # 7 kier
	changed out sulfuric valve on # 7 kier 4/15/2018
Comments	
Comments Start Date	4/15/2018
Comments Start Date Due Date	4/15/2018 4/23/2018 4/24/2018



### Barnhardt Manufacturing Co

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	1382979
WO Title	chemical system pm
Reference ID	
Category	Mechanical
Priority	Medium
Status	Completed
Short Description	inspect all pumps and piping for leaks from bulk tanks to kier head tanks
Notes	replaced sulfuric drip legs on kiers #1 #3#8 replaced valve and drip leg on #5
Notes	•
	•
Comments	on # 5
Comments Start Date	on # 5 12/15/2019
Comments Start Date Due Date	on # 5  12/15/2019  12/23/2019  12/26/2019



### Barnhardt Manufacturing Co

	1100 Hawthorne Lane Charlotte North Carolina United States 28205
Work Order #	1424511
WO Title	chemical system pm
Reference ID	
Category	Mechanical
Priority	Medium
Status	Completed
Short Description	inspect all pumps and piping for leaks from bulk tanks to kier head tanks
Notes	replaced sulfuric line to # 7 kier head tank. replaced # 6 kier peroxide valve. replaced # 1 kier caustic 1 valve
Notes	
Comments	valve. replaced # 1 kier caustic 1 valve
Comments Start Date	valve. replaced # 1 kier caustic 1 valve  1/19/2020
Comments Start Date Due Date	valve. replaced # 1 kier caustic 1 valve  1/19/2020  1/27/2020  1/20/2020

